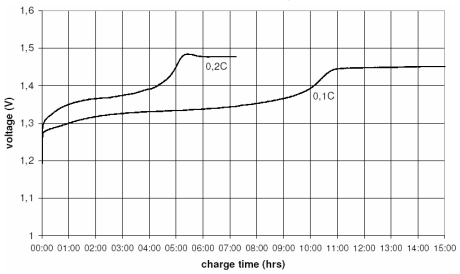
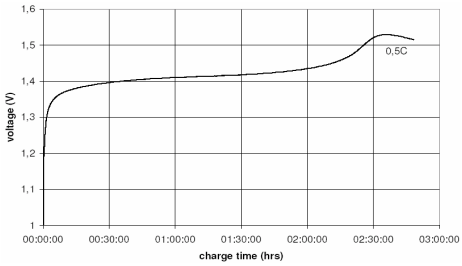
			Conditions
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	9000	mAh	discharge at 0.2C
minimum:	8500	mAh	discharge at 0.2C
	7650	mAh	discharge at 1C
			0.9V end discharge voltage
			ta: 20℃
max. continuous discharge current:	27	A	ta: 20℃
charge	current		time
standard charge:	900	mA	14...16hrs
fast charge:	3600	mA	2.2hrs
recommended charge termination control parameters:	0…5	mV	- delta V
	0.8...1	℃	temperature rise per minute
	45...50	℃	TCO (temperature cut off)
trickle charge current:	80...400	mA	(recommended)
continuous overcharge: (less than 28 days)	≤ 900	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 6	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 80	%	after 6 months storage
(ta: 20℃)	≥ 75	%	after 12 months storage
ambient temperature range:	0...45	℃	standard charge
	10…35	℃	fast charge
	- 18…55	℃	discharge (≤1.0C)
	0...45	℃	discharge (>1.0C)
	- 20...55	℃	storage (≤1month)
	- 20...45	℃	storage (≤3months)
	- 20…35	℃	storage (≤12months)

Diagrams

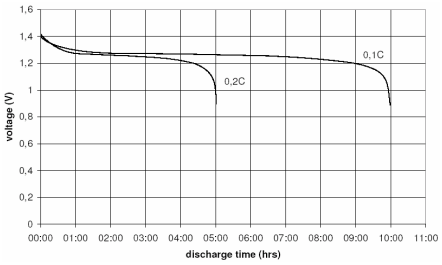
standard charge



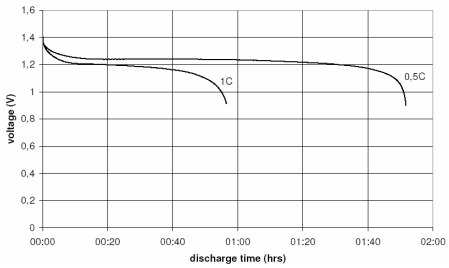
fast charge



low rate discharge

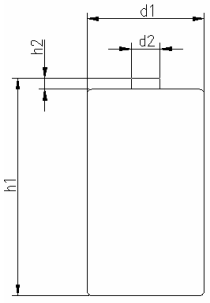


high rate discharge



mechanical specifications

cell dimensions				
diameter d1:		33.0	- 0.8	mm
diameter d2:		10.0		mm
height h1:	max.	61.0		mm
height h2:		0.0		mm
weight:	approx.	152		g



	ANSMANN Specifications for model:	D - 8500mAh LSD flat top in plastic bag with Z tags
	data sheet no. / part no.	2314-3003
	version no.	V0
	author / date	Eisenreich/ 17.01.2012

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice